



**Indian Institute of Technology Ropar**  
Department of CSE  
S. Ramanujan Block (Permanent Campus),  
IIT Ropar, Ropar, Punjab, India - 140001

### **Advertisement for JRF in SERB sponsored Projects**

Applications are invited from highly motivated and eligible candidates for the following SERB funded projects:

#### **Project-1**

**Title:** Beyond AI Models: Integrating Human Expertise with AI for improving their combined preference  
**Project Number:** [CRG/2023/002142](#)  
**PI:** Dr. Shweta Jain, Assistant Professor, Department of CSE, IIT Ropar, shwetajain@iitrpr.ac.in,  
<https://sites.google.com/site/shwetajainisc/home>  
**Co-PI:** Dr. Shashi Shekhar Jha, Assistant Professor, Department of CSE, IIT Ropar, shashi@iitrpr.ac.in  
**Number of posts:** 01

#### **Project-2**

**Title:** Achieving Fairness in Federated Learning Models  
**Project Number:** [CRG/2022/004980](#)  
**Co-PI:** Dr. Shweta Jain, Assistant Professor, Department of CSE, IIT Ropar, shwetajain@iitrpr.ac.in  
<https://sites.google.com/site/shwetajainisc/home>  
**Number of posts:** 01

**Eligibility:** M.E./M.Tech in CSE/ECE/IT with 70% Aggregate (7.5 CGPA) or B.E./B.Tech in CSE/ECE/IT with 70% Aggregate (7.5 CGPA) with GATE/CSIR/UGCNET/DSTINSPIRE/JEST/NBHM or other national exam qualified. MCA/MSc in Comp Sc/Mathematics will be considered as equivalent to BTech. SC/ST candidates must have secured a minimum of 55% aggregate score (6.0 CGPA) in the qualifying degree.

An ideal candidate must be:

- Good knowledge in theoretical computer science subjects such as data structures and algorithms
- Good in mathematics especially subjects like linear algebra and probability
- Some hands-on experience with programming is preferable

**Duration:** Initial appointment will be for one year, which is extendable up to the duration of the project, solely based on performance.

**Fellowship:** 37,000/- PM

**How to apply:** Fill-up and upload all the relevant documents in the Google form -  
<https://forms.gle/2e2aeDzER9qk9RAQ6>

**Ph.D. Opportunity:** If you are interested in applying for Ph.D. against this advertisement, apply here:  
<https://www.iitrpr.ac.in/academic/phd> by 05th April 2024.

**Important Dates:** The last date for applications: 10th April 2024, 11:59 PM IST.